

A GEL PRECIPITATION METHODOLOGY FOR SYNTHESIS OF SUB-MICRON MESOPOROUS MIXED OXIDES FOR BATTERY APPLICATION

A method of gel precipitation for the synthesis of ultrafine particles of submicron mesoporous mixed oxides to be used as positive electrode material for battery applications. The methodology for the synthesis of the mixed oxides essentially consists of the steps namely sol formation, gelation, water removal step and calcination for final phase formation. The cycle life performance of a half cell made with oxides of the above method has a retention capacity of above 80 % of the first discharge value for 602 cycles making it a highly efficient one

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